

ABSOLUTE RATINGS (T_{Δ} =25°C, unless otherwise noted)

PARAMETER	SYMBOL	1SS387FN2	UNITS
Reverse Voltage	V _R	80	V
Peak Reverse Voltage	V _{RRM}	85	V
Maximum DC Blocking Voltage	V _{DC}	80	V
Maximum Average Forward Current at T $_{\rm A}$ =25 $^{\circ}$ C	I _{F(AV)}	150	mA
Peak Forward Surge Current, @ 8.33ms AC Half Wave @ 10ms AC Half Wave	I _{FSM}	2.5 2.3	A
Power Dissipation Derate Above 25 °C	P _D	300	mW
Operating Junction and Storage Temperature Range	T_j,T _{stg}	-55 to +150	°C

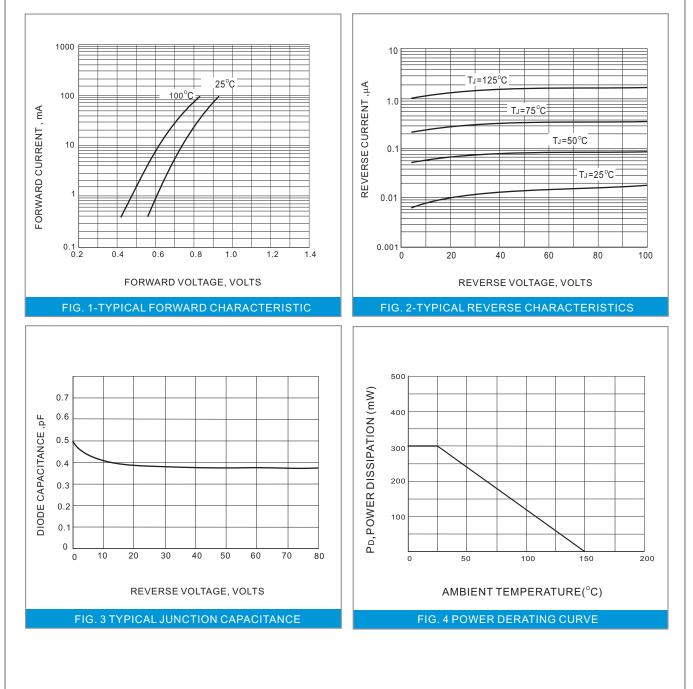
THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	1SS387FN2	UNITS
Typical Thermal Resistance	$R_{_{\! ext{ heta}JA}}$	400	°C / W

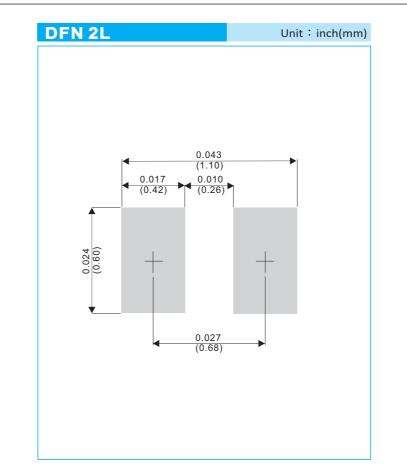


$\label{eq:characteristics} \textbf{ELECTRICAL CHARACTERISTICS} ~ (\textbf{T}_{A} = 25^{\circ} \textbf{C} ~,~ \textbf{unless otherwise noted})$

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TPY	MAX	UNITS
Maximum Forward Voltage	V _F	I F=1mA I F=10mA I F=100mA	-	0.62 0.75 0.98	0.715 0.855 1.2	V
Reverse Leakage Current	١r	V _R =30V V _R =80V	-		0.1 0.5	μΑ
Maximum Total Capacitance	C _T	V _R =0V, f=1MHz	-	0.5		pF
Maximum Reverse Recovery Time	t,	l ⊧=10mA,l	-	1.6		ns





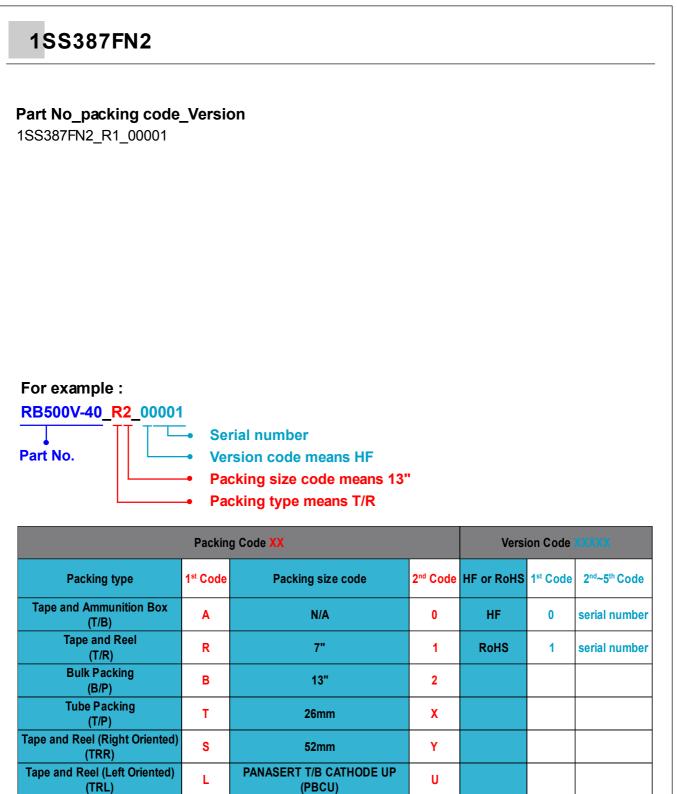


ORDER INFORMATION

Packing information

T/R -8K per 7" plastic Reel





PANASERT T/B CATHODE DOWN

(PBCD)

D

FORMING

F





1SS387FN2

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